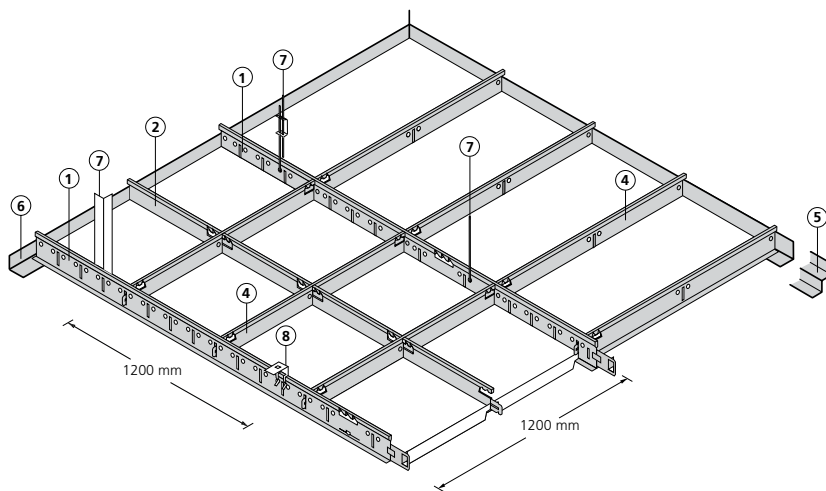


RockLink 24

Installation system

RockLink 24



NB: Illustration shows two of the many layout options.

Rockfon tiles with A15, A24 and E24 edge details are suitable for installation using this system.

The following ceiling tile module sizes (mm) can be used with Rocklink 24:

- 600 x 600
- 1200 x 600
- 1200 x 1200
- 1200 x 900
- 900 x 900
- 900 x 600

When creating a ceiling using RockLink 24, the main runners are normally positioned at 1200 mm centres.

Minimum installation depth		
Tile thickness (mm)	Module size (mm)	D (mm)
12 - 20	600 x 600	100
	1200 x 600	
	900 x 600	
	900 x 900	
15 - 25	1200 x 1200	100
	1200 x 900	
40 - 100	600 x 600	200
	1200 x 600	

System Loading Capacity		
Max. evenly distributed load (kg/m ²)		
Module size (mm)	Hangers centres (mm)	
	1200	1500
600 x 600	13.3	5.5
1200 x 600	13.3	5.5
1200 x 1200	8.0	3.3
1200 x 900	10.5	4.3
900 x 600	9.5	3.9
900 x 900	16.0	6.6

For further details on system loading capacity, please contact Rockfon.

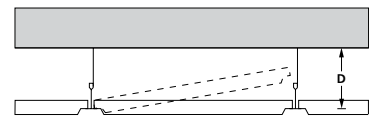
Description

RockLink 24 is a 24 mm wide exposed grid made from galvanised steel with a smooth white* visible surface. It comprises main runners, cross tees (available in many lengths), perimeter trims and a variety of accessories.

RockLink is also available in an Enhanced Corrosion Resistant (ECR) format for use in harsh environments.

RockLink 24 can be either suspended or directly fastened to the soffit using a variety of hangers.

* Other colours are available to order.

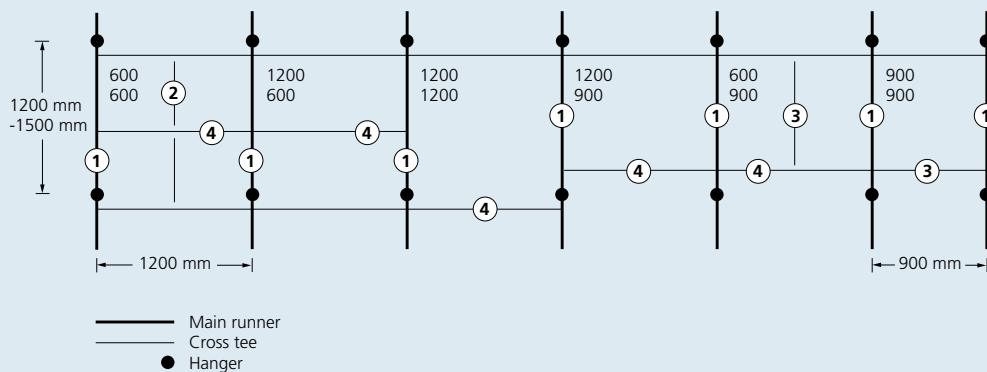


D = Minimum installation depth for easy tile installation and demountability.

Depth when using direct hangers is minimum 50 mm.

Grid layout & system components

Grid layout options and hanger location



System components and consumption guide									
Quantity/m ²	①		②	③	④	⑤	⑥	⑦	⑧
Main runners and suspension hangers positioned at 1200 mm centres	Main runner L: 3600 mm	Cross tee L: 300 mm	Cross tee L: 600 mm	Cross tee L: 900 mm	Cross tee L: 1200 mm	Shadow moulding L: 3050 mm	Perimeter angle trim L: 3050 mm	Suspension hanger	Direct hanger
Hook Over:									
Reference	850-30-001 380-650-360 (Click)	851-30-001	852-30-001 380-650-060 (Click)	853-30-001	854-30-001 380-650-120 (Click)	1466-001	1438-001		21.5(50) 21.8(80) 21.1(100)
Module size (mm)									
600 x 600	0.84 lm	2)	0.84 lm		1.68 lm	1)	1)	0.70 pcs	0.70 pcs
900 x 600	0.84 lm	2)		0.84 lm	1.12 lm	1)	1)	0.70 pcs	0.70 pcs
1200 x 600	0.84 lm	2)			1.68 lm	1)	1)	0.70 pcs	0.70 pcs
900 x 900 3)	1.12 lm	2)		1.12 lm		1)	1)	0.93 pcs	0.93 pcs
1200 x 900	0.84 lm	2)			1.12 lm	1)	1)	0.70 pcs	0.70 pcs
1200 x 1200	0.84 lm	2)			0.84 lm	1)	1)	0.70 pcs	0.70 pcs

1) Consumption according to room size.

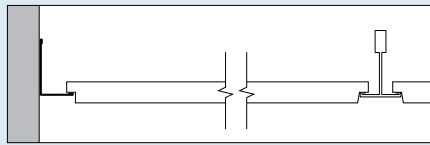
2) Consumption according to specific layout.

Can be used in conjunction with layouts incorporating 300 mm wide "trough" type lighting.

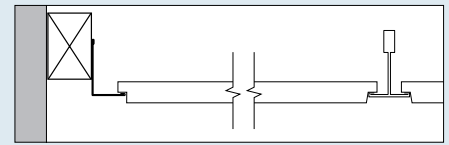
3) Main runners positioned at 900 mm centres. Suspension hangers positioned at 1200 mm centres.

Perimeter finish options & service integration

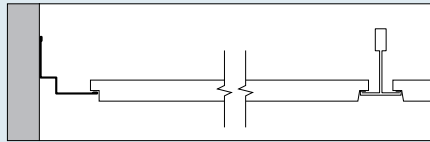
Here are some options for perimeter finishing:



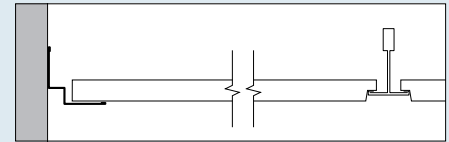
1. Angle trim



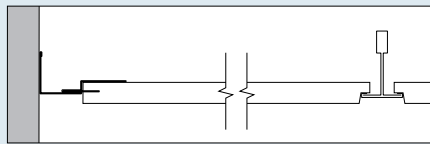
2. Shadow batten and angle trim



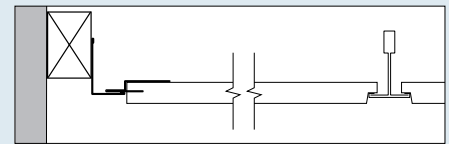
3. Shadow moulding



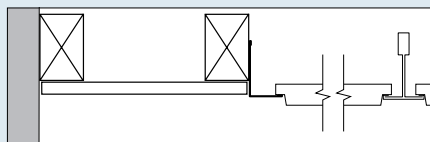
4. Shadow moulding



5. Angle trim and edge clips



6. Shadow batten, angle trim and edge clips



7. Plain gypsum border

Service Integration

A variety of service installations and lights can be easily integrated into this system and Rockfon ceiling tiles.

Service installations should not be supported on the ceiling tile alone. Installation loads should always be adequately spread on the back of the tile or transferred to the grid system using appropriate support arms or yokes. Alternatively, the installation should be independently supported.



Light integration

See datasheet for guideline concerning installation of spotlights and recessed modular lights.



Smoke detector integration

See datasheet for guideline concerning installation of smoke detectors.



Speaker integration

See datasheet for guideline concerning installation of speakers.



Sprinkler integration

See datasheet for guideline concerning installation of sprinklers.



Ventilation integration

See datasheet for guideline concerning installation of various types of ventilation and air conditioning

Installation guide

Perimeter Finishing

Junction between ceiling and wall or other vertical surface

The perimeter trim should be fastened to vertical surfaces at the required level using appropriate fixings at nominal 450 mm centres. Ensure that butt joints between adjoining lengths of trim are neat and that the trim is free from kinks and remains true and level. For the best aesthetics, use as long a length of trim as possible. The minimum recommended cut length is 300 mm. Timber trims, timber shadow battens and metal shadow mouldings should not be used with fire resisting/protecting ceilings.

Junction between ceiling and curved vertical surface

The use of a preformed curved perimeter trim is the most appropriate method. This should be installed as described above. Rockfon can provide details of curved perimeter trims on request.

Corners

Perimeter trims should be neatly mitred at all corner joints. Overlap mitres are acceptable on metal trims on internal corner joints unless specified otherwise.

Main grid

Unless specified otherwise, the ceiling should be set out symmetrically and where possible, perimeter tiles should be greater than 200 mm in width.

The hangers should be fastened with appropriate top fixings and to the main runners at 1200 mm centres. Main runners should be positioned at 1200 mm centres (900 mm centres for 900 mm x 900 mm tiles) and levelled at the appropriate ceiling height. Main runner joints should be staggered and there should be a hanger positioned within 150 mm of the fire expansion point and within 450 mm of the end of the main runner where it terminates at a perimeter.

Additional hangers may be necessary to support the weight of ceiling services.

When using direct hangers, a fixing nail should be used to lock the hanger on to the bulb of the main runner.

1200 mm x 1200 mm module

Fit 1200 mm cross tees between the main runners at 1200 mm centres.

1200 mm x 900 mm module

Fit 1200 mm cross tees between the main runners at 900 mm centres.

1200 mm x 600 mm module

Fit 1200 mm cross tees between the main runners at 600 mm centres.

600 mm x 600 mm module

As 1200 mm x 600 mm module but intersect 1200 mm cross tees with 600mm cross tees at 1200 mm centres parallel to the main runner.

900 mm x 900 mm module

Fit 900 mm cross tees between the main runners at 900 mm centres.

900 mm x 600 mm module

Fit 1200 mm cross tees between the main runners at 900 mm centres, intersect with 900 mm cross tees at 1200 mm centres parallel to the main runner.

Tile installation

When installing the tiles, the use of gloves is recommended. Rockfon tiles are easy to cut by using a sharp knife. Apply Rockfon edge paint to any visible cut edges.

Fire Resisting/ Protecting Ceilings

This system can be used in conjunction with many Rockfon ceiling tiles to create a variety of specifically designed fire resisting/protecting ceiling constructions.

Many Rockfon ceiling solutions have been tested and subsequently independently assessed in accordance with BS 476 Parts 21, 22 and 23.

For further details of the tiles, module sizes and approved constructions, please contact Rockfon.

Enhanced Corrosion Resistance (ECR)

This system provides excellent longevity, however it is also available in an enhanced corrosion resistant format for use in harsh environment applications eg. swimming pools.

Accessories

Hold down clips

A variety of hold down clips suitable for use with the many Rockfon tiles are available for this system.

For fire resisting/ protecting ceilings, tiles should be clipped at the rate of 2 clips per 600 mm edge and 3 clips per 1200 mm edge.

In small rooms, entrance areas, staircases and other areas which may be subject to pressure differences between room and ceiling void, it is recommended to use clips to secure the tiles into the grid system.

Hangers

Wire and adjustable rod hangers should be fastened through the holes in the stalk of the main runners. Wire hangers should be passed through the hole and wrapped at least three times around itself. Adjustable rod hangers should be orientated and connected to main runners so that the lower sections of the hangers run in the same direction.

Top Fixings

Top fixings are available from many specialist suppliers. It is important to be sure that the top fixings used to support the ceiling are appropriate for the specific soffit and that they provide adequate pull out strength when installed.

Acoustic Firebox

When integrating recessed modular luminaires into this system, the Rockfon Acoustic Firebox can be used to maintain the fire and acoustic insulation / integrity of the ceiling.

ACTIVATE YOUR CEILING

Rockfon® develop intelligent ceiling solutions which actively address a number of important issues in modern buildings and renovation projects.

Rockfon products are known for their design, aesthetics and ease of installation; coupled with the key performance features of superior fire resistance and acoustics.

This ensures that our ceiling solutions are among the highest performing, most cost effective and time efficient in today's interiors market.

The comprehensive ceiling solution portfolio from Rockfon ensures that our customers are able to actively add value to the construction process, by ultimately creating superior interior environments.

That is why we say "ACTIVATE YOUR CEILING".

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Specification

The ceiling grid system shall be RockLink 24, installed to form a module of _____ x _____ mm. The main runners shall be suspended from the structural soffit using _____ hangers at _____ mm centres. The perimeter finish shall be perimeter finish option _____.

Complete options as required.

NBS K40 specification text are available either from NBS Plus on 0845 456 9594 or direct from Rockfon on 0845 521 3473 or www.rockfon.co.uk (click Products, Specification generator).

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